



Energy
Information
Administration

Weekly Coal Production

Production for Week Ended:
January 25, 1992



IMPORTANT NOTICE INSIDE
Export/Import
Supplement

NOTICE

The Energy Information Administration is not planning to publish monthly coal and coke import/export data after the December 1991 data are published in this report in March 1992. The monthly coal and coke import/export data, shown in Tables 3 through 15 of this report, will be available by quarter in the Quarterly Coal Report.

Preface

The *Weekly Coal Production (WCP)* report provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. This week's Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 through 1990 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988, 1 percent to 2 percent for 1989, and 0.3 percent to 3 percent for 1990.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based

on 1988 through 1990 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988, 0.09 percent to 0.14 percent for 1989, and 0.01 percent to 0.05 percent for 1990. Usually the EIA-7A coal production data are higher than the EIA-6 coal production data, due to differences in the threshold reporting requirements.

This publication is prepared by the Survey Management Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution*, the *Quarterly Coal Report*, *Coal Production 1990*, and *Coal Data: A Reference*.

This publication was prepared by Wayne M. Watson under the direction of Mary K. Paull, Team Leader, Coal Data Systems, and Noel C. Balthasar, Chief, Coal and Uranium Data Systems Branch. *Questions on energy statistics should be directed to the National Energy Information Center (NEIC) at 202/586-8800.*

Distribution Category UC-950

Released for printing January 31, 1992

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or reflecting any policy of the Department of Energy or any other organization.

Contents

Summary	1
Figure 1. Coal Production	2
Table 1. Coal Production	2
Table 2. Coal Production by State	3
Table 3. Coal Exports and Imports, 1982-1991	4
Table 4. Coal Exports, November 1991	5
Table 5. Average Price of Coal Exports, November 1991	6
Table 6. Steam Coal Exports, November 1991	7
Table 7. Average Price of Steam Coal Exports, November 1991	8
Table 8. Metallurgical Coal Exports, November 1991	9
Table 9. Average Price of Metallurgical Coal Exports, November 1991	10
Table 10. Coal Exports by Customs District, November 1991	11
Table 11. Coke Exports, November 1991	12
Table 12. Coal Imports, November 1991	12
Table 13. Average Price of Coal Imports, November 1991	13
Table 14. Coal Imports by Customs District, November 1991	13
Table 15. Coke Imports, November 1991	14

Summary

U.S. coal production in the week ended January 25, 1992, as estimated by the Energy Information Administration (EIA), totaled 20 million short tons. This was 5 percent more than in the previous week, and about the same as in the comparable week in 1991. Production east of the Mississippi River totaled 11 million short tons, and production west of the Mississippi River totaled 8 million short tons.

Preliminary 1991 coal production, as estimated by the EIA, totaled 994 million short tons, reflecting revisions to the second and third quarter data. Next week's issue of this publication will contain preliminary monthly production data by State for 1991.

U.S. coal exports in November 1991 amounted to 11 million short tons, bringing the total for the first 11 months of 1991 to 100 million short tons. This was 2 million short tons more than the amount exported in the comparable period of 1990, primarily reflecting increased steam and metallurgical coal exports to Europe. Total coal exports were valued at over \$4 billion, based on an average price of \$42.49 per short ton. Over one-half of the exported coal was shipped from the Norfolk, Virginia, Customs District, which handled 6 percent more export coal than in the previous year.

Steam coal exports for January through November 1991 totaled 40 million short tons, an increase of 1

percent over the amount in the same period of 1990. Canada, the principal destination for U.S. steam coal exports, received 6 million short tons, 41 percent lower than the corresponding 1990 level. Exports of steam coal to Europe totaled 24 million short tons, 22 percent above the same period of 1990. The largest tonnage increases were to France, Spain, and Denmark. Taiwan was the leading Asian destination, with 4 million short tons, a decline of 7 percent from 1990.

Metallurgical coal exports for the first 11 months of 1991, amounted to 60 million short tons, an increase of 2 percent over the comparable period of 1990. Japan was the principal destination, but the 9 million short tons it imported was 14 percent less than in the same period of 1990 reflecting in part, increased competition from Australia and Canada. By contrast, exports to Europe rose 5 percent to 36 million short tons, led by higher metallurgical coal demand in the United Kingdom, France, and the Netherlands.

Coal imports for the first 11 months of 1991 totaled 3 million short tons, an increase of 30 percent above the level a year earlier. Colombia was the leading source of imported coal, accounting for over one-half of the total. Total coal imports during the period were valued at \$105 million, based on an average price of \$33.24 per short ton.

Figure 1. Coal Production

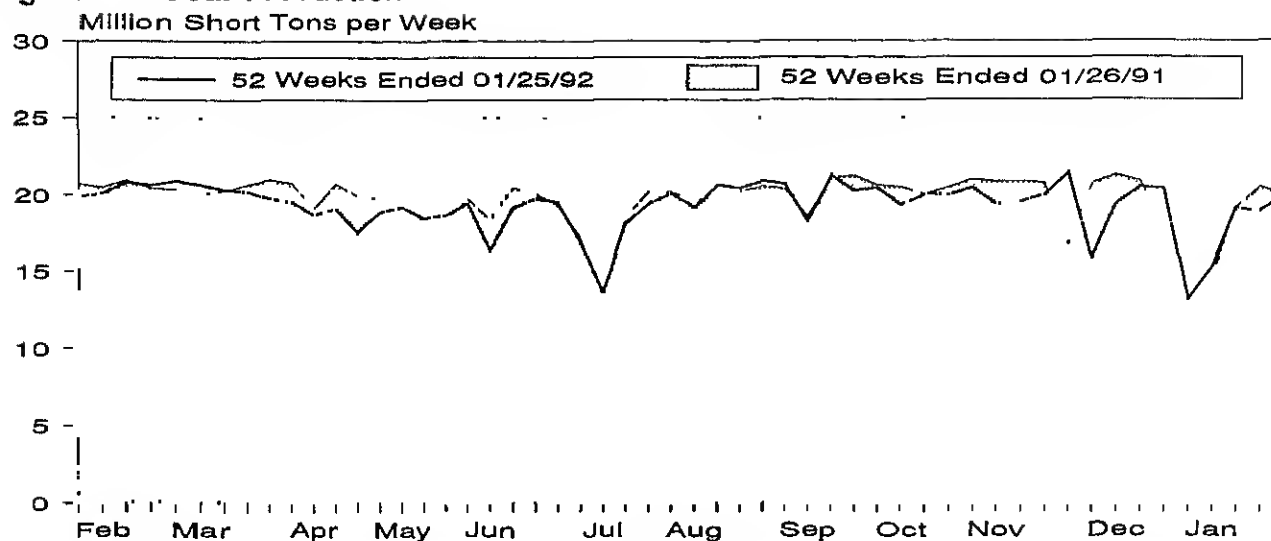


Table 1. Coal Production

	Week Ended			52 Weeks Ended		
Production and Carloadings	01/25/92	01/18/92	01/26/91	01/25/92	01/26/91	Percent Change
Production (Thousand Short Tons)						
Bituminous Coal ¹ and Lignite . . .	19,692	18,826	19,905	997,521	1,017,617	-2.0
Pennsylvania Anthracite	43	49	55	2,645	3,467	-23.7
U.S. Total	19,736	18,875	19,960	1,000,166	1,021,084	-2.0
Railroad Cars Loaded	126,759	122,771	126,197	6,501,067	6,647,228	

¹Includes subbituminous coal.

Notes: 1991 data are preliminary. Totals may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 2. Coal Production by State
(Thousand Short Tons)

Region and State	Week Ended		
	01/25/92	01/18/92	01/26/91
Bituminous Coal¹ and Lignite			
East of the Mississippi	11,250	11,016	11,920
Alabama	568	578	563
Illinois	1,227	1,092	1,263
Indiana	576	533	597
Kentucky	2,977	2,964	3,211
Kentucky, Eastern	2,180	2,177	2,325
Kentucky, Western	797	787	886
Maryland	67	68	75
Ohio	524	566	618
Pennsylvania Bituminous	1,067	1,043	1,271
Tennessee	94	93	98
Virginia	872	860	911
West Virginia	3,278	3,220	3,315
West of the Mississippi	8,442	7,809	7,985
Alaska	36	35	22
Arizona	228	218	240
Arkansas	2
Colorado	329	305	380
Iowa	8	7	8
Kansas	10	9	13
Louisiana	28	35	64
Missouri	43	41	50
Montana	827	768	705
New Mexico	603	521	494
North Dakota	626	581	603
Oklahoma	52	52	30
Texas	1,001	957	1,052
Utah	409	376	445
Washington	97	93	79
Wyoming	4,145	3,810	3,798
Bituminous Coal ¹ and Lignite Total . . .	19,692	18,826	19,905
Pennsylvania Anthracite	43	49	55
U.S. Total	19,736	18,875	19,960

¹Includes subbituminous coal.

*Less than 0.5 thousand short tons.

Notes: 1991 data are preliminary. Totals may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 3. Coal Exports and Imports, 1982-1991
(Thousand Short Tons and Dollars per Short Ton)

Year end Month	Exports						Imports	
	Metallurgical		Steam ¹		Total		Quantity	Average Price
	Quantity	Average Price ²	Quantity	Average Price ²	Quantity	Average Price ²		
1982	64,585	\$61.07	41,692	\$49.11	106,277	\$56.37	742	\$30.40
1983	49,964	55.49	27,907	46.18	77,772	52.16	1,271	33.59
1984	56,975	52.41	24,508	46.77	81,483	50.72	1,296	35.37
1985	60,313	50.46	32,367	43.92	92,680	48.10	1,952	36.04
1986	54,977	47.81	30,541	42.60	95,518	45.95	2,212	36.02
1987	51,679	44.49	27,929	39.60	79,607	42.77	1,747	32.04
1988	61,950	44.17	33,073	38.59	95,023	42.23	2,134	29.96
1989								
January	4,499	43.92	1,919	36.29	6,306	41.72	66	36.14
February	5,299	44.32	1,450	37.14	6,749	42.78	131	31.89
March	6,163	44.17	2,212	36.99	9,375	42.27	334	33.96
April	6,061	44.08	3,042	39.46	9,104	42.20	158	31.46
May	6,303	45.40	3,391	37.40	9,695	42.61	312	32.19
June	5,598	45.92	4,059	38.14	9,657	42.59	219	39.04
July	3,891	45.77	2,329	37.95	6,209	42.94	375	36.65
August	4,925	46.09	3,197	37.30	9,122	42.63	247	33.95
September	5,754	45.94	3,907	37.31	9,661	42.45	303	33.64
October	5,922	45.50	3,371	37.97	9,293	42.77	160	33.20
November	6,026	45.91	3,743	39.05	9,768	42.94	245	31.54
December	4,710	45.65	3,179	37.66	7,888	42.43	303	35.08
Total	65,128	45.18	35,687	37.64	100,915	42.52	2,951	34.14
1990								
January	4,901	45.72	2,547	37.29	7,447	42.84	175	33.01
February	4,391	45.92	1,862	36.39	6,243	43.07	268	35.91
March	6,254	45.78	2,438	39.36	8,693	43.70	292	35.54
April	4,754	45.85	3,936	38.60	8,590	42.67	182	31.45
May	6,643	46.81	4,194	36.50	8,927	42.42	144	34.08
June	5,699	46.35	3,616	36.35	9,316	42.47	348	34.65
July	5,495	46.82	3,698	35.69	9,194	42.34	200	29.59
August	5,698	46.59	4,467	37.57	10,065	42.69	120	35.72
September	5,567	46.70	4,671	35.99	10,239	41.76	194	32.31
October	4,471	47.06	4,296	36.41	9,756	41.85	284	41.32
November	5,805	46.42	3,816	36.98	9,621	42.63	224	32.96
December	4,890	49.07	2,923	36.32	7,913	43.67	269	33.40
Total	63,459	46.51	42,345	36.91	105,804	42.63	2,699	34.45
1991								
January	3,853	47.87	2,361	36.82	6,214	43.67	263	32.36
February	6,113	47.14	2,013	39.67	9,127	45.29	429	34.97
March	5,179	47.69	2,799	38.80	7,977	44.57	246	33.12
April	4,773	46.45	2,145	39.17	6,917	44.19	198	32.09
May	6,442	46.72	3,576	37.56	10,019	43.45	249	39.50
June	4,839	45.53	4,441	37.18	9,279	41.54	294	32.07
July	5,495	45.05	4,614	36.79	10,099	41.27	349	33.66
August	6,319	46.39	4,223	37.06	10,541	42.65	249	29.57
September	6,092	44.61	4,465	35.14	10,557	40.61	397	30.67
October	5,483	45.07	3,761	35.93	9,244	41.35	214	33.70
November	5,109	45.95	5,494	35.99	10,602	40.79	299	34.01
1991 Year to Date . . .	59,683	46.19	39,993	39.97	99,575	42.49	3,164	33.24
1990 Year to Date . . .	58,569	46.38	39,422	36.95	97,991	42.54	2,432	34.57

¹Includes bituminous, subbituminous, lignite, and anthracite.

²Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522" and "Monthly Report IM 145."

Table 4. Coal Exports, November 1991
(Short Tons)

Continent and Country of Destination	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	1,842,905	2,032,980	1,690,364	10,176,054	15,055,502	-32.4
Canada ¹	1,761,905	2,026,748	1,647,289	9,902,618	14,714,178	-32.7
Dominican Republic	58,865	-	19,838	129,664	82,057	58.0
Jamaica	15,048	-	18,069	51,551	52,196	-1.2
Mexico	6,634	6,242	4,713	89,262	204,023	-56.2
Other ²	453	-	455	2,959	3,048	-2.9
South America Total	573,577	497,742	524,580	8,832,939	6,151,820	11.1
Argentina	-	-	75,655	429,422	577,537	-25.6
Brazil	569,985	486,665	448,839	6,237,340	5,187,151	20.2
Chile	-	-	-	135,037	356,427	-62.1
Other ²	3,592	1,077	86	31,139	30,705	1.4
Europe Total	5,850,801	4,969,839	4,937,125	60,221,889	54,084,063	11.3
Albania	-	-	27,507	112,152	178,057	-37.0
Belgium & Luxembourg	418,279	653,566	612,692	6,943,874	7,852,604	-11.6
Bulgaria	107,632	56,205	-	891,752	87,955	NM
Denmark	444,565	351,158	263,237	4,269,690	3,002,382	42.2
Finland	181,203	-	-	530,240	95,259	456.6
France	783,375	427,608	540,766	8,522,069	6,549,328	30.1
Ireland	200,719	-	78,398	1,209,412	1,259,802	-4.0
Italy	856,784	974,119	654,092	10,168,453	10,633,360	-4.4
Netherlands	701,413	803,044	1,079,081	8,621,008	7,867,642	9.6
Norway	6,861	14,747	6,140	188,157	165,594	13.6
Portugal	213,903	263,939	240,901	1,501,947	1,716,241	-12.5
Romania	-	222,738	69,162	1,146,840	1,653,608	-30.6
Spain	403,453	344,584	301,422	4,417,343	3,351,264	31.8
Sweden	275,386	80,861	81,907	1,157,799	865,718	33.7
Turkey	284,959	120,679	283,725	2,186,245	2,117,292	3.3
United Kingdom	519,801	407,100	418,855	5,666,737	4,789,268	18.3
Germany, FR	444,602	219,484	348	1,876,080	855,189	75.5
Yugoslavia	-	30,007	167,266	918,696	893,225	2.9
Other ²	7,866	-	10,826	83,394	50,264	65.8
Asia Total	2,111,603	1,478,395	2,357,748	20,094,039	20,865,662	-3.7
China (Taiwan)	610,564	318,976	497,445	4,181,636	4,394,669	-4.8
Hong Kong	134,918	-	-	599,897	119,553	401.8
Israel	-	-	-	541,943	638,996	-15.2
Japan	1,069,014	941,781	1,482,419	11,387,280	12,250,265	-7.0
Korea, Republic of	297,041	217,555	377,776	3,372,939	3,436,745	-1.9
Other ²	66	83	106	10,344	25,434	-59.3
Oceania & Australia Total	-	-	97	133	2,094	-93.6
Africa Total	223,172	275,267	211,258	2,250,360	1,831,420	22.9
Algerie	-	61,958	171,752	522,275	479,217	9.0
Egypt	103,621	102,789	-	660,644	544,801	21.3
Morocco	118,551	43,674	39,506	892,435	752,246	18.6
Other ²	-	66,846	-	175,006	55,156	217.3
Total	10,602,058	9,244,233	9,621,170	89,575,412	97,990,561	1.8

¹Percent change calculation not meaningful as value is greater than 500.

²Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

³Includes countries with exports less than or equal to 60,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 5. Average Price of Coal Exports, November 1991
(Dollars per Short Ton)

Continent and Country of Destination	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	\$31.82	\$33.72	\$33.20	\$33.79	\$32.79	3.1
Canada ¹	31.60	33.71	33.16	33.66	32.71	2.9
Dominican Republic	36.10	-	36.38	36.80	36.41	1.1
Jamaica	33.29	-	30.57	33.41	30.57	9.3
Mexico	44.52	35.42	40.98	43.61	37.27	17.0
Other ²	34.68	-	36.00	34.48	37.22	-7.3
South America Total	46.27	45.45	47.36	46.27	46.11	.3
Argentina	-	-	45.92	45.59	45.59	*
Brazil	46.27	45.45	47.61	46.61	46.81	-6
Chile	-	-	-	39.48	36.87	7.1
Other ²	-	49.30	34.33	35.25	35.86	-1.7
Europe Total	42.41	42.93	44.59	43.13	43.85	-1.6
Albania	-	-	-	46.27	48.38	-4.4
Belgium & Luxembourg	43.81	44.05	44.43	44.81	44.89	-.2
Bulgaria	41.74	43.37	-	42.57	49.24	-13.5
Denmark	32.30	31.78	33.82	33.06	34.47	-4.1
Finland	43.71	-	-	44.77	44.72	.1
France	38.29	37.22	47.12	40.00	42.79	-6.5
Ireland	38.21	-	48.39	39.40	38.91	1.2
Italy	45.77	45.60	46.70	45.38	44.77	1.4
Netherlands	45.33	44.44	42.96	43.31	42.90	1.0
Norway	-	-	-	32.11	-	-
Portugal	39.83	41.34	40.33	40.82	40.84	-.1
Romania	-	45.10	44.45	45.89	47.59	-3.6
Spain	41.91	45.05	43.65	44.97	46.11	-2.5
Sweden	47.20	49.15	48.15	47.87	48.20	-.7
Turkey	46.65	46.78	47.84	46.84	46.13	1.5
United Kingdom	45.90	46.44	48.06	48.81	47.30	-1.5
Germany, FR	40.67	37.70	40.80	39.76	40.64	-2.2
Yugoslavia	-	37.67	48.98	48.73	48.09	1.4
Other ²	-	-	39.92	43.50	39.95	8.9
Asia Total	42.20	43.88	43.11	43.33	43.17	.4
China (Taiwan)	42.43	40.37	40.40	41.62	38.59	7.9
Hong Kong	38.02	-	-	38.58	38.93	-.9
Israel	-	-	-	39.64	39.42	.6
Japan	41.93	44.94	43.09	43.59	44.20	-1.4
Korea, Republic of	44.56	44.44	46.75	46.03	46.24	-.4
Other ²	40.85	34.17	40.86	40.46	38.02	6.4
Oceania & Australia Total	-	-	40.97	-	36.60	-
Africa Total	39.37	44.53	45.09	41.21	39.33	4.8
Algeria	-	45.55	48.57	46.60	47.67	-2.4
Egypt	45.54	45.51	-	45.73	45.81	-.2
Morocco	34.02	34.02	29.94	33.65	31.34	7.4
Other ²	-	48.93	-	48.82	-	-
Total	40.71	41.44	42.68	42.45	42.11	.8
U.S. Total³	40.79	41.35	42.63	42.49	42.54	-.1

*For quantity data, the value of the number is less than 0.5 thousand short tons. For percentage calculations, the absolute value of the number is less than 0.05 percent.

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

²Includes countries with exports less than or equal to 50,000 short tons in 1990.

³Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusive.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 6. Steam Coal Exports, November 1991
(Short Tons)

Continent and Country of Destination	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	1,490,283	1,187,172	1,202,512	6,395,214	10,795,380	-40.9
Canada ¹	1,409,305	1,180,930	1,158,437	6,152,459	10,454,271	-41.1
Dominican Republic	58,865	-	18,838	129,664	82,057	58.0
Jamaica	15,048	-	18,069	51,551	52,196	-1.2
Mexico	6,634	6,242	4,713	48,625	204,023	-76.2
Other ²	431	-	455	2,915	2,833	2.9
South America Total	3,592	1,077	86	226,079	426,779	-47.0
Argentina	-	-	-	1,012	-	-
Brazil	-	-	-	88,519	94,281	-6.1
Chile	-	-	-	105,409	301,793	-65.1
Other ²	3,592	1,077	86	31,139	30,705	1.4
Europe Total	2,731,116	2,058,734	1,767,096	24,479,758	19,998,739	22.4
Belgium & Luxembourg	126,430	234,721	253,398	1,789,670	2,282,268	-21.6
Bulgaria	-	-	-	-	39,065	-
Denmark	444,565	214,552	263,237	3,702,177	2,946,810	25.6
Finland	72,463	-	-	141,569	-	-
France	419,276	270,980	-	3,348,151	1,917,645	74.6
Ireland	200,719	-	78,398	1,208,412	1,259,802	-4.0
Italy	236,467	295,621	128,584	4,308,377	4,158,239	5.5
Netherlands	216,009	348,579	629,032	4,396,420	4,161,629	5.6
Norway	6,861	-	6,140	98,836	67,811	45.8
Portugal	213,903	263,939	240,901	1,427,646	1,458,595	-2.1
Romania	-	73,020	-	143,735	-	-
Spain	252,074	63,235	67,096	1,239,934	312,162	297.2
Sweden	-	-	-	8,048	23,150	-65.2
Turkey	114,232	5,747	-	120,278	18,643	NM
United Kingdom	169,613	68,856	89,336	1,234,587	958,300	28.8
Germany, FR	258,604	219,484	348	1,114,737	356,165	213.0
Yugoslavia	-	-	-	109,854	12,995	NM
Other ²	-	-	10,626	6,227	27,460	-77.3
Asia Total	1,149,046	470,259	807,011	8,067,066	7,446,035	8.3
China (Taiwan)	501,168	318,976	497,445	3,722,800	4,001,133	-7.0
Hong Kong	134,918	-	-	599,897	119,653	401.8
Israel	-	-	-	432,893	684,208	-25.9
Japan	421,303	56,631	227,821	2,613,196	2,015,552	29.7
Korea, Republic of	81,591	94,569	81,639	687,936	722,892	-4.8
Other ²	66	83	106	10,344	2,697	283.5
Oceania & Australia Total	-	-	97	133	2,094	-93.6
Africa Total	119,551	44,248	39,506	734,280	752,676	-2.4
Egypt	-	574	-	1,070	430	148.8
Morocco	119,551	43,674	38,606	731,187	752,246	-2.8
Other ²	-	-	-	2,013	-	-
Total	5,493,588	3,761,480	3,816,308	39,892,530	39,421,703	1.2

^{NM}Percent change calculation not meaningful as value is greater than 500.

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

²Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 7. Average Price of Steam Coal Exports, November 1991
(Dollars per Short Ton)

Continent and Country of Destination	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	\$30.33	\$29.98	\$29.50	\$30.47	\$30.57	-0.3
Canada ¹	29.98	29.94	29.25	30.23	30.38	-.5
Dominican Republic	36.10	-	36.38	36.80	36.41	1.1
Jamaica	33.29	-	30.57	33.41	30.57	9.3
Mexico	44.52	35.42	40.98	38.83	37.27	4.2
Other ²	34.68	-	36.00	34.48	35.55	-3.0
South America Total	-	49.30	34.33	39.13	37.17	5.3
Argentina	-	-	-	35.95	-	-
Brazil	-	-	-	43.64	42.44	2.8
Chile	-	-	-	36.59	35.83	2.1
Other ²	-	49.30	34.33	35.25	35.86	-1.7
Europe Total	37.35	37.73	38.89	37.75	38.51	-2.0
Belgium & Luxembourg	36.23	37.40	38.81	37.03	37.75	-1.9
Bulgaria	-	-	-	-	48.99	-
Denmark	32.30	33.82	33.82	33.27	34.47	-3.6
Finland	40.82	-	-	40.82	-	-
France	34.18	32.23	-	34.00	37.07	-8.3
Ireland	38.21	-	48.39	39.40	38.91	1.2
Italy	42.56	40.36	40.42	41.75	40.67	2.6
Netherlands	40.97	40.53	39.17	39.61	39.16	1.2
Norway	-	-	-	32.11	-	-
Portugal	39.83	41.34	40.33	40.44	39.97	1.2
Romania	-	42.64	-	42.64	-	-
Spain	34.49	29.03	34.02	34.32	34.92	-1.7
Sweden	-	-	-	41.64	35.00	19.0
Turkey	46.39	-	-	46.38	39.30	18.0
United Kingdom	41.08	35.65	43.09	39.63	42.78	-7.6
Germany, FR	35.49	37.70	40.80	35.32	35.27	.1
Yugoslavia	-	-	-	40.97	-	-
Other ²	-	-	39.92	40.79	39.95	2.1
Asia Total	38.74	39.91	39.47	39.10	38.13	2.6
China (Taiwan)	41.50	40.37	40.40	40.88	37.71	8.7
Hong Kong	38.02	-	-	38.58	38.83	-.9
Israel	-	-	-	39.00	39.02	-.1
Japan	35.43	37.31	37.26	36.15	38.12	-5.2
Korea, Republic of	39.82	39.93	39.92	39.98	39.61	.9
Other ²	40.85	34.17	40.86	40.46	38.02	6.4
Oceania & Australia Total	-	-	40.97	-	36.60	-
Africa Total	34.02	34.11	29.94	33.51	31.34	6.9
Egypt	-	40.82	-	40.81	35.91	13.7
Morocco	34.02	34.02	29.94	33.48	31.34	6.8
Other ²	-	-	-	40.81	-	-
Total	35.70	35.91	38.52	36.92	36.25	1.9
U.S. Total³	35.99	35.93	36.88	36.97	36.85	.3

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

²Includes countries with exports less than or equal to 50,000 short tons in 1990.

³Average price of all steam coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fell within the range of \$28 to \$50 inclusively. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 8. Metallurgical Coal Exports, November 1991
(Short Tons)

Continent and Country of Destination	November 1891	October 1881	November 1890	Year to Date		Percent Change
				1991	1990	
North America Total	352,622	845,818	487,852	3,780,840	4,260,122	-11.0
Canada ¹	352,600	845,818	487,852	3,750,159	4,259,907	-12.0
Mexico	-	-	-	40,637	-	-
Other ²	22	-	-	44	215	-79.5
South America Total	568,885	485,665	524,484	6,606,858	5,725,041	15.4
Argentina	-	-	75,655	428,410	577,537	-25.8
Brazil	569,985	485,665	448,839	6,148,821	5,092,870	20.7
Chile	-	-	-	29,628	54,634	-45.8
Europe Total	3,119,685	2,911,105	3,070,028	35,742,130	34,085,324	4.9
Albania	-	-	27,507	112,152	178,057	-37.0
Belgium & Luxembourg	291,849	418,845	359,294	5,154,204	5,570,336	-7.5
Bulgaria	107,632	56,205	-	891,752	48,890	NM
Danmark	-	136,606	-	567,513	55,572	NM
Finland	108,740	-	-	388,671	95,259	308.0
France	364,099	156,628	540,766	5,173,918	4,631,683	11.7
Italy	620,317	678,498	525,508	5,780,076	6,475,121	-10.7
Netherlands	485,404	454,465	450,049	4,224,588	3,706,013	14.0
Norway	-	14,747	-	89,321	97,783	-8.7
Portugal	-	-	-	74,301	257,546	-71.2
Romania	-	149,718	69,162	1,003,105	1,653,608	-39.3
Spain	151,379	281,349	234,326	3,177,409	3,039,102	4.6
Sweden	275,386	80,861	81,907	1,149,751	842,668	36.5
Turkey	170,727	114,932	283,725	2,065,967	2,100,549	-1.7
United Kingdom	350,188	338,244	330,519	4,432,150	3,830,969	15.7
Germany, FR	185,098	-	-	581,343	599,034	-6.3
Yugoslavia	-	30,007	167,266	808,742	880,230	-8.1
Other ²	7,865	-	-	87,167	22,804	282.2
Asia Total	962,557	1,008,138	1,550,735	12,026,873	13,418,627	-10.4
China (Taiwan)	109,395	-	-	458,836	393,536	16.6
Israel	-	-	-	109,050	54,788	99.0
Japan	647,711	885,160	1,254,598	8,774,084	10,234,713	-14.3
Korea, Republic of	205,450	122,986	296,137	2,685,003	2,713,853	-1.1
Other ²	-	-	-	-	22,737	-
Africa Total	103,621	231,019	171,752	1,516,080	1,078,744	40.5
Algeria	-	61,958	171,752	522,275	479,217	9.0
Egypt	103,621	102,215	-	659,574	544,371	21.2
Morocco	-	-	-	161,238	-	-
Other ²	-	66,846	-	172,893	55,156	213.6
Total	5,108,470	5,482,743	5,804,882	59,682,882	58,568,858	1.9

¹Percent change calculation not meaningful as value is greater than 500.

²Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

³Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 9. Average Price of Metallurgical Coal Exports, November 1991
(Dollars per Short Ton)

Continent and Country of Destination	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	\$37.00	\$37.83	\$39.97	\$38.55	\$37.09	1.8
Canada ¹	37.80	37.83	39.97	38.44	37.88	1.5
Mexico	-	-	-	49.20	-	-
Other ²	-	-	-	-	49.93	-
South America Total	46.27	45.45	47.36	46.51	46.76	-5
Argentina	-	-	45.92	45.62	45.59	1
Brazil	46.27	45.45	47.61	46.55	46.88	-7
Chile	-	-	-	49.78	48.84	1.9
Europe Total	46.68	46.57	47.85	46.91	47.18	-6
Albania	-	-	-	46.27	48.38	-4.4
Belgium & Luxembourg	47.10	47.78	48.39	47.51	47.85	-7
Bulgaria	41.74	43.37	-	42.57	49.44	-13.9
Denmark	-	28.58	-	29.37	-	-
Finland	45.63	-	-	46.21	44.72	3.3
France	43.02	45.84	47.12	43.75	45.16	-3.1
Italy	46.99	47.88	48.23	48.36	47.62	1.5
Netherlands	47.27	47.44	48.25	47.17	47.10	.2
Portugal	-	-	-	48.11	45.79	5.1
Romania	-	46.30	44.45	46.47	47.59	-2.4
Spain	49.63	48.65	46.41	48.41	47.86	1.1
Sweden	47.20	49.15	48.15	47.91	48.61	-1.4
Turkey	46.82	46.76	47.84	46.87	48.16	1.5
United Kingdom	48.24	47.88	49.41	48.52	48.41	.2
Germany, FR	47.86	-	-	48.55	44.88	8.2
Yugoslavia	-	37.67	46.98	46.73	46.09	1.4
Other ²	-	-	-	43.65	-	-
Asia Total	46.32	45.72	45.00	46.12	45.99	.3
China (Taiwan)	46.70	-	-	46.80	47.48	-1.4
Israel	-	-	-	42.18	43.64	-3.3
Japan	46.16	45.42	44.15	45.88	45.41	.6
Korea, Republic of	48.63	47.90	48.63	47.58	48.02	-9
Africa Total	45.54	46.52	48.57	45.10	46.67	-3.4
Algeria	-	45.55	48.57	46.60	47.67	-2.4
Egypt	45.54	45.54	-	45.73	45.82	-.2
Morocco	-	-	-	34.43	-	-
Other ²	-	48.93	-	48.91	-	-
Total	45.93	44.96	46.40	46.10	46.14	-.1
U.S. Total³	45.95	45.07	48.42	46.18	46.38	-.4

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

²Includes countries with exports less than or equal to 50,000 short tons in 1990.

³Average price of all metallurgical coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 10. Coal Exports by Customs District, November 1991
(Short Tons)**

Customs District	November 1981	October 1991	November 1980	Year to Date		Percent Change
				1991	1990	
Eastern Total	5,728,381	5,363,374	5,904,362	63,171,016	60,783,048	3.9
Boston, MA	-	-	-	-	54,033	-
Baltimore, MD	998,059	918,486	418,461	8,991,383	7,366,722	22.1
Portland, ME	-	-	-	-	782	-
Buffalo, NY	107,476	4,657	2,709	601,447	377,672	59.3
New York City, NY	66	-	10,925	3,584	17,229	-79.2
Ogdensburg, NY	28,709	37,632	12,938	106,185	52,315	103.0
Philadelphia, PA	71,668	38,340	432,311	594,020	3,207,096	-81.5
Norfolk, VA	4,522,413	4,364,259	5,027,018	52,874,004	49,707,199	6.4
St. Albans, VT	-	-	-	393	-	-
Southern Total	2,684,374	1,705,863	1,820,055	23,560,318	20,490,201	15.0
Mobile, AL	935,081	710,666	786,036	8,323,271	7,161,767	16.2
Savannah, GA	-	-	-	147	-	-
Miami, FL	99	35	335	2,035	1,270	60.2
Tampa, FL	-	-	-	11,191	18,099	-38.2
New Orleans, LA	1,691,783	698,164	1,004,310	13,949,943	11,814,854	17.1
San Juan, PR	-	-	-	168	-	-
Charleston, SC	60,777	266,547	103,408	1,073,345	1,058,746	1.4
El Paso, TX	-	-	-	69	-	-
Houston-Galveston, TX	-	24,382	21,321	153,829	137,413	11.9
Laredo, TX	6,634	6,069	4,645	46,320	198,052	-76.6
Western Total	858,976	456,379	294,357	4,183,706	2,740,460	52.7
Anchorage, AK	90,897	93,451	81,639	685,830	722,892	-5.1
Nogales, AZ	-	-	-	-	2,673	-
Los Angeles, CA	523,360	114,276	155,289	2,721,173	1,772,973	53.5
San Diego, CA	-	173	68	1,922	3,298	-41.7
San Francisco, CA	-	-	52,781	33,087	152,277	-78.3
Great Falls, MT	-	-	-	-	131	-
Portland, OR	238,666	233,509	-	546,847	3,989	NM
Seattle, WA	6,054	14,970	4,580	195,047	82,227	137.2
Northern Total	1,318,638	1,717,213	1,500,930	8,610,869	13,952,799	-38.3
Chicago, IL	-	-	-	108	47,242	-99.8
Detroit, MI	68,293	193,444	239,694	458,597	3,624,750	-87.3
Duluth, MN	-	-	84,111	65,168	473,690	-86.2
Pembine, ND	-	-	197	83	284	-70.8
Cleveland, OH	1,250,345	1,523,769	1,176,928	8,086,913	9,710,448	-16.7
Milwaukee, WI	-	-	-	-	96,385	-
Other Ports	1,679	1,404	1,466	49,503	24,053	105.8
Total	10,602,058	9,244,233	9,621,170	99,575,412	87,990,561	1.6

^{NM}Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 11. Coke Exports, November 1991
(Short Tons)

Continent and Country of Destination	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	60,349	55,999	125,919	329,761	463,961	-29.1
Canada ¹	48,624	37,565	121,109	233,722	372,039	-37.2
Mexico	11,586	19,365	4,740	93,981	90,824	3.5
Other ²	139	69	71	1,059	1,099	-3.7
South America Total	10,397	-	-	131,940	56,758	132.5
Europe Total	9,191	11,956	4,709	177,743	44,203	302.1
Asia Total	-	-	-	65,539	31	NM
Total	78,927	67,955	130,627	703,983	564,953	24.6

¹Percent change calculation not meaningful as value is greater than 500.

²Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

³Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 12. Coal Imports, November 1991
(Short Tons)

Continent and Country of Origin	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	92,606	56,766	76,099	933,221	893,956	-5.7
Canada	92,606	56,766	76,099	933,221	977,652	-5.1
Mexico	-	-	-	-	6,204	-
South America Total	215,647	157,028	148,315	2,299,765	1,519,717	51.4
Colombia	134,133	102,397	148,315	1,764,995	1,284,734	37.4
Venezuela	91,514	54,631	-	534,870	233,993	129.6
Europe Total	-	-	-	6	5,391	-99.9
Czechoslovakia	-	-	-	6	-	-
Denmark	-	-	-	-	130	-
Norway	-	-	-	-	46	-
United Kingdom	-	-	-	-	5,215	-
Asia Total	-	202	-	253	2	NM
China (Peking)	-	202	-	202	-	-
Japan	-	-	-	1	2	-50.0
Thailand	-	-	-	60	-	-
Oceania & Australia Total	-	-	-	31,106	23,794	30.7
Australia	-	-	-	31,106	23,794	30.7
Total	299,253	213,996	224,404	3,164,351	2,431,760	30.1

¹Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 13. Average Price of Coal Imports, November 1991
(Dollars per Short Ton)

Continent and Country of Origin	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
North America Total	\$23.06	\$24.32	\$23.87	\$25.15	\$24.66	2.0
Canada	23.06	24.32	23.87	25.15	24.55	2.5
Mexico	-	-	-	-	38.36	-
South America Total	37.36	36.34	36.14	34.77	37.59	-7.5
Colombia	33.78	32.81	36.14	32.92	37.01	-11.0
Venezuela	43.24	42.97	-	40.87	40.76	.3
Europe Total	-	-	-	-	37.17	-
Denmark	-	-	-	-	36.35	-
United Kingdom	-	-	-	-	37.19	-
Oceania & Australia Total	-	-	-	37.97	41.73	-9.0
Australia	-	-	-	37.97	41.73	-9.0
Total	33.54	33.25	32.14	32.59	33.51	-2.7
U.S. Total¹	34.01	33.70	32.86	33.24	34.57	-3.9

¹Average price of all coal imports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"

Table 14. Coal Imports by Customs District, November 1991
(Short Tons)

Customs District	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
Eastern Total	29,195	29,305	72,670	325,642	322,490	1.0
Boston, MA	-	-	39,918	48,855	139,771	-65.0
Portland, ME	29,195	29,305	-	207,152	115,011	80.1
Buffalo, NY	-	-	-	134	69	94.2
Ogdensburg, NY	-	-	-	-	45	-
Philadelphia, PA	-	-	32,752	69,501	67,594	2.8
Southern Total	186,452	127,723	75,845	1,974,257	1,241,561	59.0
Tampa, FL	96,773	102,397	41,253	1,622,678	914,941	77.4
New Orleans, LA	-	-	-	17,090	-	-
Wilmington, NC	-	-	-	-	46	-
San Juan, PR	61,606	-	34,392	187,944	234,989	-20.0
Houston-Galveston, TX	-	-	-	11,023	5,215	111.4
Laredo, TX	-	-	-	-	6,204	-
Virgin Islands	28,073	25,326	-	135,522	80,166	69.1
Western Total	3,945	8,653	2,206	108,048	94,086	14.8
Los Angeles, CA	-	-	-	877	2	NM
Honolulu, HI	-	-	-	31,106	23,794	30.7
Great Falls, MT	3,945	1,152	2,206	56,445	39,623	39.9
Seattle, WA	-	5,501	-	20,620	30,667	-32.8
Northern Total	78,661	50,315	73,883	756,404	773,623	-2.2
Chicago, IL	28,881	-	29,490	177,944	286,709	-37.9
Detroit, MI	-	267	-	275	-	-
Duluth, MN	-	-	-	211	-	-
Pembina, ND	49,780	50,048	44,393	677,974	486,914	18.7
Total	298,253	213,996	224,404	3,164,351	2,431,760	30.1

NM Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"

Energy Information Administration Weekly Coal Production

**Table 15. Coke Imports, November 1991
(Short Tons)**

Continent and Country of Origin	November 1991	October 1991	November 1990	Year to Date		Percent Change
				1991	1990	
America Total	24,768	4,610	1,272	50,499	165,367	-69.5
Canada	24,768	4,610	1,272	50,499	143,580	-64.8
Costa Rica	-	-	-	-	21,787	-
Europe Total	21,019	-	-	21,019	39,572	-46.9
United Kingdom	21,019	-	-	-	39,572	-
Other Europe	-	-	-	21,019	-	-
Asia & Australia Total	88,153	40,235	47,232	795,148	296,935	167.8
Japan	88,153	40,235	47,232	795,148	296,935	167.8
Other Asia & Australia	-	-	-	-	-	-
Other Countries Total	-	-	40,084	189,298	222,092	-14.8
Other Countries	-	-	40,084	189,298	222,092	-14.8
Total	133,940	44,845	88,568	1,055,964	723,966	45.9

Note: Total may not equal sum of components because of independent rounding.
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

This publication and other Energy Information Administration (EIA) publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office.

All telephone orders should be directed to:

U.S. Government Printing Office
Farragut Bookstore
1510 H Street N.W.
Washington, DC 20005
(202) 653-5075
FAX (202) 376-5055
9 a.m. to 5 p.m., eastern time, M-F

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202) 783-3238
FAX (202) 512-2233
8 a.m. to 5 p.m., eastern time, M-F

All mail orders should be directed to:

U.S. Government Printing Office
c/o Mellon Bank
P.O. Box 371954
Pittsburgh, PA 15250-7954

Complimentary subscriptions and single issues are available to certain groups of subscribers, such as public and academic libraries, Federal, State, local, and foreign governments, and the media. For further information, and for answers to questions on energy statistics, please contact EIA's National Energy Information Center. Address, telephone numbers, and hours are as follow:

National Energy Information Center, EI-231
Energy Information Administration
Forrestal Building, Room 1F-048
Washington, DC 20585
(202) 586-8800
Telecommunications Device for the
Hearing Impaired Only: (202) 586-1181
9 a.m. to 5 p.m., eastern time, M-F

Methodology

Weekly Data

Estimates of national weekly coal production are based on weekly carload data collected by the Association of American Railroads (AAR) from its members (Class I Railroads) and certain other railroads. EIA calculates the average number of tons per carload for each railroad's coal car fleet from information obtained from the most recent Quarterly Freight Commodity Statistics filed by Class I Railroads with the Interstate Commerce Commission (ICC) and from data made available by individual railroads. The average number of tons per carload is then multiplied by the number of cars loaded to obtain an estimate of weekly production shipped by AAR railroads.

Next, the weekly coal production estimate for a specific week is obtained by dividing the AAR rail tonnage for the week by a factor representing the proportion of quarterly AAR rail shipments to total quarterly coal production. Because this is done on a weekly basis, and prior to completion of current quarterly statistics, the factor is derived using ICC data on tons per carload and total carloadings and from EIA data on total production for the same quarter of the previous year. Figures for the same quarter of the year are used in order to reflect seasonal variation. In some cases, the ratio of rail tonnage to total production is adjusted to take additional, more current information into consideration, such as rail or coal strikes.

Once the U.S. weekly coal production estimate is determined, this total is split into two subtotals - the portion representing States, with little or no rail coal shipments, and the portion representing the remaining States, where a significant percentage of production is shipped by rail. The States with little or no railroad coal shipments are Alaska, Arizona, California, Georgia, Iowa, Kansas, Louisiana, Missouri, Texas, and Washington. With the exception of California and Louisiana, the weekly production data for each "nonrail" State are developed by multiplying the estimate of U.S. weekly coal production by the ratio of projected production, for each State to U.S. total projected production, for the current quarter. The methodology used to project State coal production is given in the EIA publication *Model Documentation of the Short-Term Coal Analysis System* (DOE/EIA-0394). The EIA contacts the sole producer in Louisiana and California to obtain weekly production data.

Estimates for the remaining States are in aggregate equal to the U.S. weekly coal production minus the estimated production from the nonrail States.

Estimates for "rail States" are based on the AAR carload data compiled by State of origin, including separate estimates for the anthracite and bituminous coal regions in Pennsylvania, eastern and western Kentucky and northern and southern West Virginia.

Each railroad is contacted at least annually for information concerning the distribution (by state of origin) of its railroad carloadings of coal. These distribution percentages are multiplied by the railroad's weekly loadings and ICC derived tonnage per carload figures, to derive the weekly tonnages loaded by State and by railroad. The tonnages loaded by the various railroads are then summed by each State to estimate total production shipped by AAR rail for that State. These tonnages are divided by the most recent ratio of annual AAR rail tonnage to total annual production for each State. The resulting weekly coal production estimates for the rail States are then adjusted to ensure that each State's production figure contributes proportionately to the weekly coal production estimate previously derived in aggregate for the rail States.

Monthly Data

Preliminary estimates of monthly coal production by State are obtained by summing weekly coal production estimates published in the *Weekly Coal Production* report. If a week extends into a new month, the production is allocated by day, and the days are added to the month in which they occur. For weeks without holidays, the allocation is Monday through Friday, 18.4 percent each day; Saturday, 8 percent; and Sunday, 0 percent. For weeks with a holiday occurring on a day other than Sunday, the allocation is Sunday and the holiday, 0 percent; and any other day, 20 percent.

Preliminary weekly and monthly production estimates are revised quarterly when quarterly production data, become available. Preliminary weekly and monthly estimates are proportionately adjusted to conform to the quarterly production figure.

Quarterly Data

Estimates of quarterly coal production are based on data collected quarterly on Form EIA-6, with certain adjustments. The national estimate of quarterly coal production is set equal to the quarterly U.S. coal production total as reported on the Form EIA-6. Based on 1988 through 1990 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of

the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988, 1 percent to 2 percent for 1989, and 0.3 percent to 3 percent for 1990.

The quarterly production data, although published throughout the year, are considered preliminary until EIA annual production data are finalized in September of the following year. At that time quarterly production data are revised (proportionately adjusted) to conform to the final annual production figures.

Finalizing Annual Production

Preliminary total annual U.S. coal production, as reported in the *Weekly Coal Production* report in the first week in January of the following year, is the sum of revised monthly/quarterly estimates of production for the first 9 months (first three quarters) and a preliminary estimate of fourth quarter production derived from weekly estimates.

When production data for the fourth quarter of the year become available from Form EIA-6 in March of the following year, the preliminary fourth-quarter U.S. total production figure and corresponding State-level figures may or may not be revised, depending on the size of the difference between the estimates and fourth-quarter data. As a general practice, EIA does not revise the initial annual production estimates (determined initially in January of the following year). Weekly, monthly, and quarterly State and national production data are adjusted to conform to finalized annual production figures derived from Form EIA-7A, in September of the following year.

Based on 1988 through 1990 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988, 0.09 percent to 0.14 percent for 1989, and 0.01 percent to 0.05 percent for 1990. Usually the EIA-7A coal production data are higher than the EIA-6 coal production data, due to differences in the threshold reporting requirements.